

***Assignment to take place of class on Sept. 5, 2016***

*How to learn Math: For Students* is a free self-paced class for learners of all levels of mathematics. It combines really important information on the brain and learning with new evidence on the best ways to approach and learn math effectively. Many people have had negative experiences with math, and end up disliking math or failing. This class will give learners of math the information they need to become powerful math learners, it will correct any misconceptions they have about what math is, and it will teach them about their own potential to succeed and the strategies needed to approach math effectively. If you have had past negative experiences with math this will help change your relationship to one that is positive and powerful.

<https://lagunita.stanford.edu/courses/Education/EDUC115-S/Spring2014/about>

- First you will need to create an account on Stanford Lagunita found on the website linked above. Click on “Enroll in EDUC115-S” to create account.

### How to Learn Math: For Students

ENROLL IN EDUC115-S

- There are six Modules in the course that are approximately 20 minutes each. You should spend approximately 3 hours for this assignment including using your notes to write a reflection. They recommend one module per week to allow for reflection; however, you only have one week so consider 1-2 modules a day over the week before it is due. Start and stop as needed. The site will keep up with your progress.
  - Knocking Down the Myths About Math
  - Math and Mindset
  - Mistakes and Speed
  - Number Flexibility, Mathematical Reasoning, and Connections
  - Number Patterns and Representations
  - Math in Nature and Work
- When you login to the course, click on the “Courseware” tab to access the modules. Each module has a series of links across the top of the screen that you move through. The format is typically a video followed by a short reflection question. There are a couple of surveys included as well.

The screenshot shows the course interface with a top navigation bar containing 'Courseware', 'Course Info', 'Discussion', and 'Progress'. The 'Courseware' tab is selected. On the left, a sidebar shows the course title 'Knocking Down the Myths About Math' and 'Lesson 1' with a 'Tasks' link. The main content area features a video player with a progress bar and the title 'VIDEO - MATH MYTHS AND THE BRAIN'.

- Actively engage with the course by watching and reading.
- Answer all of the embedded reflection questions.
- Take a **minimum of one page of written or typed notes** while interacting with the course.
- Once successfully completed, print the **certificate** at the end.
- Type a **one-page reflection** (Word Document, Times New Roman, 12-point font, double-spaced) after completing the course. At minimum, address the following questions:
  - What did you learn from interacting with Dr. Boaler's online course?
  - How does what you learned correspond with your own elementary mathematics education and attitude towards math?
  - How will this course impact your future teaching of mathematics?
- Assignment Due by Sept. 12 at the beginning of class
  - Reflection will go in an iLearn Dropbox by Sept. 11 (midnight) and turn in a hard copy
  - Paper-clip the rubric, notes, certificate, and reflection together to turn in as hard copy in class

**Scoring Rubric:**

	Unsatisfactory	Adequate	Phenomenal!	
<b>Handwritten Or typed Notes</b>	<b>0–3 points</b> Barely attempted – less than a full page ☹	<b>4–7 points</b> Full page of notes – some or little formatting or evidence of thought	<b>8–10 points</b> It looks like you were an active participant! Notes are engaging, easy to follow, and make you want to learn more😊	
<b>Certificate</b>	<b>0 points</b> It's ALL or Nothing!	<b>0 points</b> It's ALL or Nothing!	<b>20 points</b> You did it! 😊	
<b>Reflection - Typed</b>	<b>0–5 points</b> Did not address the questions in the assignment description ☹	<b>6–15 points</b> The minimum 1-page requirement along with the questions in the assignment description was met. 😊	<b>15–20 points</b> Wow! You are a reflecting wiz! Your minimum one page reflection addressed the questions in the assignment description and more. It is obvious that you are thinking ahead to your future classroom and being an effective educator😊	
Total Points out of 50				